A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A61L 9/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patent and applications for inventions since 1975, Korean Utility models and applications for Utility Models since 1975 Japanese Utility models and applications for Utility Models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) KIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	JP 8-266610 A (SANYO ELECTRIC CO LTD , TOTTORI SANYO ELECTRIC CO LTD) 15 October 1996 See the whole document		
Y	KR 234396 Y (GLOBAL N.T.S., INC.) 18 October 2001 See the whole document	1,2	
Y	KR 2001-94904 A (CHUNG, BO YOUNG) 03 November 2001 See the whole document	1,2	
Α	EP 616175 A (YUUSHIN ENG KK, MARUZEN CREATE:KK) 21 September 1994 See the whole document	1,2	
A	KR 1999-17482 U (KO SUNG ELECTRONICS CO.,LTD.) 25 May 1999 See the whole document	1,2	
	,		

	Further documents are listed in the continuation of Box C.		X See patent family annex.
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority
"A"	document defining the general state of the art which is not considered		date and not in conflict with the application but cited to understand
	to be of particular relevance		the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international	"X"	document of particular relevance; the claimed invention cannot be
	filing date		considered novel or cannot be considered to involve an inventive
"L"	document which may throw doubts on priority claim(s) or which is		step when the document is taken alone
i	cited to establish the publication date of citation or other	"Y"	

special reason (as specified)
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"P" document published prior to the international filing date but later than the priority date claimed

being obvious to a person skilled in the art
"&" document member of the same patent family

considered to involve an inventive step when the document is

combined with one or more other such documents, such combination

Date of the actual completion of the international search

18 AUGUST 2003 (18.08.2003)

Date of mailing of the international search report

19 AUGUST 2003 (19.08.2003)

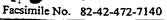
Name and mailing address of the ISA/KR

Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

KIM, Su Mi

Authorized officer

Telephone No. 82-42-481-5576





ternational application No.

PCT/KR03/00879

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 8-266610 A	15-10-1996	NONE	
KR 234396 Y	18-10-2001	NONE	
KR 2001-94904 A	03-11-2001	NONE	
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KR 1999-17482 U	25-05-1999	NONE	